SEQUENCE LISTING

<110> Sokawa, Yoshiro
      Liu, Chih-Ping

<120> Composition for Treatment of and Method
   of Monitoring Hepatitis C Virus Using Interferon-tau

<130> 5600-0004.30

<140> Not Yet Assigned
<141> Filed Herewith

<150> JP 317160
<151> 2000-10-17

<150> US 60/219,128
<151> 2000-07-19

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 516
<212> DNA
<213> Ovis aries

<400> 1
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gaaatggttg aaggtgacca actgcaaaaa gaccaagctt ccccggtact gtatgaaatg     180
ctgcagcagt ctttcaacct gttctacact gaacattctt cggccgcttg ggacactact     240
cttctagaac aactgtgcac tggtctgcaa cagcaactgg accatctgga cacttgccgt     300
ggccaggtta tgggtgaaga agactctgaa ctgggtaaca tggatccgat cgttactgtt     360
aaaaaatatt tccagggtat ctacgactac ctgcaggaaa aaggttactc tgactgcgct     420
tgggaaatcg tacgcgttga aatgatgcgg gccctgactg tgtcgactac tctgcaaaaa     480
cggttaacta aaatgggtgg tgacctgaat tctccg                               516
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<210> 2
<211> 172
<212> PRT
<213> Ovis aries

<400> 2
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Cys Tyr Leu Ser Arg Lys Leu Met Leu Asp Ala Arg Glu Asn Leu Lys
 1               5                  10                  15
Leu Leu Asp Arg Met Asn Arg Leu Ser Pro His Ser Cys Leu Gln Asp
            20                  25                  30
Arg Lys Asp Phe Gly Leu Pro Gln Glu Met Val Glu Gly Asp Gln Leu
        35                  40                  45
Gln Lys Asp Gln Ala Phe Pro Val Leu Tyr Glu Met Leu Gln Gln Ser
    50                  55                  60
Phe Asn Leu Phe Tyr Thr Glu His Ser Ser Ala Ala Trp Asp Thr Thr
65                  70                  75                  80
```

1

```
Leu Leu Glu Gln Leu Cys Thr Gly Leu Gln Gln Gln Leu Asp His Leu
                85                  90                  95
Asp Thr Cys Arg Gly Gln Val Met Gly Glu Glu Asp Ser Glu Leu Gly
            100                 105                 110
Asn Met Asp Pro Ile Val Thr Val Lys Lys Tyr Phe Gln Gly Ile Tyr
        115                 120                 125
Asp Tyr Leu Gln Glu Lys Gly Tyr Ser Asp Cys Ala Trp Glu Ile Val
    130                 135                 140
Arg Val Glu Met Met Arg Ala Leu Thr Val Ser Thr Thr Leu Gln Lys
145                 150                 155                 160
Arg Leu Thr Lys Met Gly Gly Asp Leu Asn Ser Pro
                165                 170
```

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<210> 3
<211> 519
<212> DNA
<213> Artificial Sequence

<220>
<223> recombinant IFNtau based on Ovis aries sequence

<400> 3
tgctacctgt cggagcgact gatgctggac gctcgagaaa atttaaaact gctggaccgt      60
atgaatcgat tgtctccgca cagctgcctg caagaccgga aagacttcgg tctgccgcag     120
gaaatggttg aaggtgacca actgcaaaaa gaccaagctt ccccggtact gtatgaaatg     180
ctgcagcagt ctttcaacct gttctacact gaacattctt cggccgcttg ggacactact     240
cttctagaac aactgtgcac tggtctgcaa cagcaactgg accatctgga cacttgccgt     300
ggccaagtta tgggtgaaga agactctgaa ctgggtaaca tggatccgat cgttactgtt     360
aaaaaatatt tccagggtat ctacgactac ctgcaggaaa aggttactc tgactgcgct      420
tgggaaatcg tacgcgttga aatgatgcgg gccctgactg tgtcgactac tctgcaaaaa     480
cggttaacta aaatgggtgg tgacctgaat tctccgtaa                            519
```

```
<210> 4
<211> 172
<212> PRT
<213> Artificial Sequence

<220>
<223> recombinant IFNtau based on Ovis aries sequence

<400> 4
```

```
Cys Tyr Leu Ser Glu Arg Leu Met Leu Asp Ala Arg Glu Asn Leu Lys
  1               5                  10                  15
Leu Leu Asp Arg Met Asn Arg Leu Ser Pro His Ser Cys Leu Gln Asp
            20                  25                  30
Arg Lys Asp Phe Gly Leu Pro Gln Glu Met Val Glu Gly Asp Gln Leu
        35                  40                  45
Gln Lys Asp Gln Ala Phe Pro Val Leu Tyr Glu Met Leu Gln Gln Ser
    50                  55                  60
Phe Asn Leu Phe Tyr Thr Glu His Ser Ser Ala Ala Trp Asp Thr Thr
65                  70                  75                  80
Leu Leu Glu Gln Leu Cys Thr Gly Leu Gln Gln Gln Leu Asp His Leu
                85                  90                  95
Asp Thr Cys Arg Gly Gln Val Met Gly Glu Glu Asp Ser Glu Leu Gly
            100                 105                 110
Asn Met Asp Pro Ile Val Thr Val Lys Lys Tyr Phe Gln Gly Ile Tyr
```

```
                115                      120                      125
Asp Tyr Leu Gln Glu Lys Gly Tyr Ser Asp Cys Ala Trp Glu Ile Val
    130                      135                      140
Arg Val Glu Met Met Arg Ala Leu Thr Val Ser Thr Thr Leu Gln Lys
145                      150                      155                      160
Arg Leu Thr Lys Met Gly Gly Asp Leu Asn Ser Pro
                165                      170
```